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Foreman et al.

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- (54) **GARMENT FOR COOLING AND INSULATING**
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- (*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 324 days.

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- (51) **Int. Cl.**
A41B 9/00 (2006.01)
- (52) **U.S. Cl.** **2/81; 2/69; 2/DIG. 1**
- (58) **Field of Classification Search** 66/202,
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See application file for complete search history.

(57) **ABSTRACT**

A garment has indentations forming air channels next to the body of the wearer, and includes: a first yarn preferably being a single monofilament of polyester; a second yarn preferably formed from staple or filament yarn, whether manmade or of natural fiber, such as polyester, cotton, rayon, nylon, acrylic; and a third yarn being an elastomeric yarn that provides proper stretch and recovery to enable a proper fit of the garment next to the body of the wearer. The first yarn preferably is a single monofilament of polyester. The second yarn preferably provides softness for comfort. The third yarn preferably is spandex. For certain applications of the garment, the second yarn is formed from staples of synthetic materials such as Kevlar, Nomex, or Spectra in order to provide fire retardence, cut resistance, and/or impact/ballistic protection. The indentations may be formed only in selected areas of the garment in accordance therewith.

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20 Claims, 11 Drawing Sheets

